

INTERNATIONAL SEARCH REPORT

Inten I Application No
PCT/US2004/038339

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/12 C12N5/10 C07K14/705 G01N33/50		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C07K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/35274 A (THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE; REED, RANDALL, R; KRA) 22 June 2000 (2000-06-22) abstract example 1 claims 24,29-33,35	16-20
X	WO 03/000735 A (DECODE GENETICS EHF; MARTINEZ, ROGER, A., MORAGA; SIGURDSSON, GUNNAR,) 3 January 2003 (2003-01-03) page 5, line 4 - line 11 page 9, line 9 - line 14 page 20, line 12 - line 15 page 42, line 12 - page 43, line 26 ----- -/--	16-20
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 23 August 2005		Date of mailing of the international search report 08/09/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Huse, I

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HATT H ET AL: "CLONING, FUNCTIONAL EXPRESSION AND CHARACTERIZATION OF A HUMAN OLFACTORY RECEPTOR" CELLULAR AND MOLECULAR BIOLOGY, CMB ASSOCIATIONS, NOISY-LE-GRAND, FR, vol. 45, no. 3, 1999, pages 285-291, XP000891909 ISSN: 0145-5680 the whole document	16-20
A	BREER H ET AL: "EXPRESSION AND FUNCTIONAL ANALYSIS OF OLFACTORY RECEPTORS" ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, NEW YORK ACADEMY OF SCIENCES, NEW YORK, NY, US, vol. 855, 7 July 1997 (1997-07-07), pages 175-181, XP009006842 ISSN: 0077-8923 the whole document.	1-28
A	KATADA SAYAKO ET AL: "Odorant response assays for a heterologously expressed olfactory receptor." BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. 13 JUN 2003, vol. 305, no. 4, 13 June 2003 (2003-06-13), pages 964-969, XP002341567 ISSN: 0006-291X the whole document	1-28
A	KIEFER H ET AL: "Expression of an olfactory receptor in Escherichia coli: purification, reconstitution and ligand binding" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 35, no. 50, 1996, pages 16077-16084, XP002130409 ISSN: 0006-2960 the whole document	1-28
A	IVIC LIDIJA ET AL: "Intracellular trafficking of a tagged and functional mammalian olfactory receptor." JOURNAL OF NEUROBIOLOGY. JAN 2002, vol. 50, no. 1, January 2002 (2002-01), pages 56-68, XP002341568 ISSN: 0022-3034 cited in the application the whole document	1-28

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Intern:
 il Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>TOUHARA K ET AL: "Functional identification and reconstitution of an odorant receptor in single olfactory neurons"</p> <p>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 96, no. 7, 1999, pages 4040-4045, XP002973354 ISSN: 0027-8424 cited in the application the whole document</p> <p>-----</p>	1-28

INTERNATIONAL SEARCH REPORT
Information on patent family members

Interr Application No
PCT/US2004/038339

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0035274 A	22-06-2000	AU 2196200 A	03-07-2000
		WO 0035274 A1	22-06-2000
		US 2003175744 A1	18-09-2003
		US 2003082615 A1	01-05-2003
		US 6492143 B1	10-12-2002
WO 03000735 A	03-01-2003	WO 03000893 A2	03-01-2003
		WO 03000735 A2	03-01-2003